

SEQUENCE LISTING



GENERAL INFORMATION:

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MAY 08 2001

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(i) APPLICANT: Dime, David S.
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(ii) TITLE OF INVENTION: Site-Specific Drug Delivery

(iii) NUMBER OF SEQUENCES: 9

(iv) CORRESPONDENCE ADDRESS:
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(F) ZIP: 94111-3834

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: US 09/367,794
(B) FILING DATE: 19-AUG-1999
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: WO PCT/CA98/00133
(B) FILING DATE: 19-FEB-1998

(viii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 60/066,635
(B) FILING DATE: 11-NOV-1997

(ix) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 60/042,911
(B) FILING DATE: 20-FEB-1997

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(C) REFERENCE/DOCKET NUMBER: 018148-000130US

(xi) TELECOMMUNICATION INFORMATION:
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(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 33 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Gly Thr Asn Gly Ser Val Glu Ala Asp Gly Leu Val Trp Glu Ser Leu
 1 5 10 15

Asp Leu Tyr Leu Ser Asp Pro Glu Asn Tyr Leu Leu Lys Asn Gly Thr
 20 25 30

Ser

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 211 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Thr Ile Arg Gly Val Asp Thr Val Ser Arg Ser Ser Leu Glu Met Ser
 1 5 10 15

Pro Leu Ala Pro Val Asn Ser His Glu Arg Arg Ser Lys Arg Arg Lys
 20 25 30

Arg Met Ser Ser Gly Thr Glu Glu Cys Gly Glu Asp Arg Leu Pro Lys
 35 40 45

Ser Asp Ser Glu Asp Gly Pro Arg Ala Met Asn His Leu Ser Leu Thr
 50 55 60

Arg Gly Leu Ser Arg Thr Ser Met Lys Pro Arg Ser Ser Arg Gly Ser
 65 70 75 80

Ile Phe Thr Phe Arg Arg Arg Asp Leu Gly Ser Glu Ala Asp Phe Ala
 85 90 95

Asp Asp Glu Asn Ser Thr Ala Arg Glu Ser Glu Ser His His Thr Ser
 100 105 110

Leu Leu Val Pro Trp Pro Leu Arg Arg Thr Ser Ala Gln Gly Gln Pro
 115 120 125

Ser Pro Gly Thr Ser Ala Pro Gly His Ala Leu His Gly Lys Lys Asn
 130 135 140

Ser Thr Val Asp Cys Asn Gly Val Val Ser Leu Leu Gly Ala Gly Asp
 145 150 155 160

Pro Glu Ala Thr Ser Pro Gly Ser His Leu Leu Arg Pro Val Met Leu
 165 170 175

Glu His Pro Pro Asp Thr Thr Pro Ser Glu Glu Pro Gly Gly Pro
 180 185 190
 Gln Met Leu Thr Ser Gln Ala Pro Cys Val Asp Gly Phe Glu Glu Pro
 195 200 205
 Gly Ala Arg
 210

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 39 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Trp Tyr Gly Asn Asp Thr Trp Tyr Gly Asn Glu Met Trp Tyr Gly Asn
 1 5 10 15
 Asp Ser Trp Tyr Ala Asn Asp Thr Trp Asn Ser His Ala Ser Trp Ala
 20 25 30
 Thr Asn Asp Thr Phe Asp Trp
 35

(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 55 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Glu Glu Leu Glu Lys Ala Lys Ala Ala Gln Ala Leu Glu Gly Gly Glu
 1 5 10 15
 Ala Asp Gly Asp Pro Ala His Gly Lys Asp Cys Asn Gly Ser Leu Asp
 20 25 30
 Thr Ser Gln Gly Glu Lys Gly Ala Pro Arg Gln Ser Gly Ser Gly Asp
 35 40 45
 Ser Gly Ile Ser Asp Ala Met
 50 55

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Met	Gln	Asp	Ala	Met	Gly	Tyr	Glu	Leu	Pro	Trp	Val	Tyr	Phe	Val	Ser
1				5				10					15		
Leu Val Ile Phe															
20															

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Val	Asn	Asp	Ala	Val	Gly	Arg	Asp	Trp	Pro	Trp	Ile	Tyr	Phe	Val	Thr
1				5				10					15		
Leu Ile Ile Ile															
20															

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Lys	His	Tyr	Phe	Cys	Asp	Ala	Trp	Asn	Thr	Phe	Asp	Ala	Leu	Ile	Val
1				5				10					15		
Val Gly Ser Ile Val Asp Ile Ala Ile Thr Glu Val His Pro															
20 25 30															

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Lys Gly Tyr Phe Ser Asp Pro Trp Asn Val Phe Asp Phe Leu Ile Val
1 5 10 15

Ile Gly Ser Ile Ile Asp Val Ile Leu Ser Glu Thr Asn Pro
20 25 30

/ (2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 25 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Arg Gly Thr Pro Ala Gly Leu His Ala Gln Lys Lys Gly Lys Phe Ala
1 5 10 15

Trp Phe Ser His Ser Thr Glu Thr His
20 25